

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1-29. (Canceled)

30. (Previously Presented) A method for web service handling in a packet-switched communication system including a first mobile node having a web service associated with a web service identifier, the method comprising the steps of:

receiving by a registration unit, a request from the first mobile node to register the web service of the first mobile node, the request including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the first mobile node;

registering, at the registration unit, the unique identification information together with locating information for the web service at the first mobile node;

receiving at the registration unit, a request from a second mobile node in the communication system requesting the locating information for the web service at the first mobile node, the web service at the first mobile node being specified through the unique identification information; and

transferring the requested locating information from the registration unit to the second mobile node to enable the second mobile node to communicate with the web service at the first mobile node.

31. (Previously Presented) The method of claim 30, wherein the unique circuit-switched identifier comprises a mobile node identifier common or well-known in circuit-switched communications.

32. (Previously Presented) The method of claim 31, wherein the unique circuit-switched identifier comprises a telephone or E. 164 number of the first mobile node.

33. (Canceled)

34. (Previously Presented) The method of claim 30, further comprising the step of establishing, at the second mobile node, communication with the web service of the first mobile node using the locating information.

35. (Previously Presented) The method of claim 30, further comprising the step of concatenating, at the first mobile node, the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier to be used in the transmitting step.

36. (Previously Presented) The method of claim 30, further comprising the step of concatenating, at the registration unit, the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier to be used in the registering step.

37. (Previously Presented) The method of claim 30, wherein the locating information comprises a current IP address of the first mobile node and a port number of the web service at the first mobile node.

38. (Previously Presented) The method of claim 30, wherein the locating information comprises an identifier of an intermediate device used for reaching the first mobile node.

39. (Previously Presented) The method of claim 30, wherein the locating information comprises an IP address of an intermediate device used for reaching the first mobile node.

40. (Previously Presented) The method of claim 30, wherein the web service identifier comprises a Uniform Resource Identifier (URI).

41. (Previously Presented) A registration unit in a packet-switched communication system that handles web services and includes a first mobile node having a web service associated with a web service identifier, the registration unit comprising:

means for receiving, from the first mobile node, a request to register the web service of the first mobile node, the request including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the first mobile node;

means for registering the unique identification information together with locating information for the web service at the first mobile node;

means for receiving, from a second mobile node in the communication system, an address request for the web service at the first mobile node specified through the unique identification information; and

means for transferring the locating information for the web service at the first mobile node to the second mobile node in response to the address request.

42. (Previously Presented) The registration unit of claim 41, wherein the unique circuit-switched identifier comprises a telephone or E.164 number of the first mobile node.

43. (Canceled)

44. (Previously Presented) The registration unit of claim 41, further comprising means for concatenating the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier.

45. (Previously Presented) The registration unit of claim 41, wherein the locating information comprises a current IP address of the first mobile node and a port number of the web service at the first mobile node.

46. (Previously Presented) The registration unit of claim 41, wherein the locating information comprises an identifier of an intermediate device used for reaching the first mobile node.

47. (Previously Presented) The registration unit of claim 41, wherein the locating information comprises an IP address of an intermediate device used for reaching the first mobile node.

48. (Previously Presented) The registration unit of claim 41, comprising a Session Initiation Protocol (SIP) registrar server.

49. (Currently Amended) A mobile node in a packet-switched communication/system having means for web service handling, the mobile node including a web service associated with a web service identifier and comprising:
means for transmitting, to a registration unit, a request to register the web service, the request including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the mobile node, the registration unit registering the unique identification information together with locating information for the web service at the mobile node; and

means for establishing communications between the mobile node's web service and a second mobile node that requests communication with the web service using the locating information.

50. (Previously Presented) The mobile node of claim 49, wherein the unique circuit-switched identifier comprises a telephone or E.164 number of the mobile node.

51. (Previously Presented) The mobile node of claim 49, further comprising means for concatenating the web service identifier and the unique circuit-switched identifier of the mobile node into a combined service and node specific identifier.

52. (Currently Amended) The mobile node of claim 49, further comprising:

means for requesting locating information for a web service at ~~a third~~ the second mobile node from the registration unit, the web service at the ~~third~~ second mobile node being specified through unique identification information registered at the registration unit by the ~~third~~ second mobile node; and

means for establishing communication with the web service of the ~~third~~ second mobile node using the requested locating information.

53. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises a current IP address of the ~~third~~ second mobile node and a port number of the web service at the ~~third~~ second mobile node.

54. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises an identifier of an intermediate device used for reaching the ~~third~~ second mobile node.

55. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises an IP address of an intermediate device used for reaching the ~~third~~ second mobile node.

56. (Previously Presented) A packet-switched communication system that handles web services and includes a first mobile node having a web service associated with a web service identifier, the system comprising:

means for transmitting, from the first mobile node to a registration unit, a request for registering the web service of the first mobile node, including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the first mobile node; and

means at the registration unit for registering the unique identification information together with locating information for the web service at the first mobile node, and for making the locating information available to a second mobile node in the communication system to enable the second mobile node to communicate with the web service at the first mobile node.

57. (Previously Presented) The system of claim 56, wherein the unique circuit-switched identifier comprises a telephone or E.164 number of the first mobile node.

58. (Previously Presented) The system of claim 56, further comprising:
means for requesting, at the second mobile node, the locating information for the web service at the first mobile node from the registration unit, the web service at the first mobile node being specified through the unique identification information;

means for transferring the requested locating information from the registration unit to the second mobile node; and

means for establishing, at the second mobile node, communication with the web service of the first mobile node using the locating information.

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